INFORMATION DISCLOSURE CITATION

Attorney Docket No.: GC743-2-US OIPE	Serial No.: 10/511,043
Applicant: Soucaille et al.	
Filing Date: April 18, 2003	Group: Unassigned
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US PATENT DOCUMENTS

Examiner's	Document		,		Sub-	Filing
Initial	Number	Date	Name	Class	Class	Date
/JF/	4,683,195	7/28/87	Mullis et al.	435	6	2/7/86
/JF/	4,683,202	7/28/87	Mullis	435	91	10/25/85
/JF/	4,965,188	10/23/90	Mullis et al.	435	6	6/17/87

FOREIGN PATENT DOCUMENTS

Examiner's	Document				Sub-	Translation
Initials	Number	Date	Country	Class	Class	Yes/No
/JF/	WO 98/07846	2/26/98	PCT			
/JF/	WO 94/25609	11/10/94	PCT			

OTHER DOCUMENTS

Examiner's				
Initials	Author, Title, Date, Pertinent Pages, etc.	•		
/JF/	Abdel-Hamid, Ahmed M. et al., « Pyruvate oxidase Microbiology, vol. 147, pp. 1483-1498, 2001.»	contributes to the aerobic growth efficiency of Escherichia coli,		
	Amann, Egon et al., « Vectors bearing a hybrid trp- Escherichia coli, Gene, vol. 25, pp. 167-178, 1983.	elac promoter useful for regulated expression of cloned genes in		
	Amore, Rene et al., « The fermentation of xylose-isomerase genes in yeast, » Applied Microbiology	an analysis of the expression of <i>Bacillus</i> and <i>Actinoplanes</i> xylose and Biotechnology, vol. 30, pp. 351-357, 1989.		
	Burr, Tom et al., « DNA sequence elements locate promoters: a systematic study, Nucleic Acids Res	Burr, Tom et al., « DNA sequence elements located immediately upstream of the –10 hexamer in Escherichia coli promoters: a systematic study, Nucleic Acids Research, vol. 28, no. 9, pp. 1864-1870, 2000.»		
	Chang, Shing et al., « High Frequency Transforma Genet., vol. 168, pp 111-115, 1979.»	tion of Bacillus subtilis Protoplasts by Plasmid DNA, Molec. Gen.		
	Cherepanov, Peter P. et al., « Gene disruption in E catalyzed excision of the antibiotic-resistance dete	scherichia coli:Tc ^R and Km ^R cassettes with the option of Flp- rminant, Gene, vol. 158, pp. 9-14, 1995.»		
$\overline{\mathbf{V}}$	Datsenko, Kirill A. et al., « One-step inactivation of PNAS, vol. 97, no. 12, pp. 6640-6645, June 6, 200	chromosomal genes in Escherichia coli K-12 using PCR products, 0.		
/JF/	DeHaseth, Pieter L. et al., « RNA Polymerase-Pro Journal of Bacteriology, vol. 180, no. 12, pp. 3019-	moter Interactions: the Comings and Goings of RNA Polymerase, 3025, June, 1998.»		
Examiner	/Jeffrey Fredman/	Date Considered 06/05/2007		

if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE CITATION

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Page 2 of 3		Date of this Submission: August 30, 2005
	32	

OTHER DOCUMENTS

Examiner's	· .			
Initials	Author, Title, Date, Pertinent Pages, etc.			
/JF/	Deuschle, Ulrich et al., « Promoters of Escherichia of The EMBO Journal, vol. 5, no. 11, pp. 2987-2994, 1	coli : a hierarchy of in vivo strength indicates alternate structures, » 986.		
	Devereux, Paul H. et al., « A Comprehensive Set of 395, 1984.	Sequence Analysis Programs for the VAX, » vol. 12, no. 1, pp. 387		
	Ferrari, Eugenio et al., « Genetics, » from <u>Bacillus,</u> 1989.	ed. by Colin R. Harwood, Plenum Publishing Corporation, pp. 57-72		
	*Gerhardt, P. et al., ed., Manual of Methods of Gen- D.C., 1981.	eral Bacteriology, American Society for Microbiology, Washington,		
	Goeddel, David V., Systems for Heterologous Gene Press, 1990	Expression, » Methods in Enzymology, vol. 185, pp. 3-7, Academi		
	Gourse, Richard L. et al., « Ups and downs in bacte polymerase in promoter recognition, » Molecular M	erial transcription initiation: the role of the alpha subunit of RNA licrobiology, vol. 37, no. 4, pp. 687-695, 2000.		
	*Hale and Markham, The Harper Collins Dictionary	of Biology, Harper Perennial, New York, NY, 1991.		
	Hawley, Diane K. et al., « Intermediates on the Pathway to Open-Complex Formation, from <u>Promoters, Structure and Function</u> , ed. by Rodriguez, R. L. et al., Praeger Special Studies, Praeger Scientific, pp. 55-68, 1982.			
	Huang, L. C. et al., « A bacterial model system for chromosomal targeting, » Nucleic Acids Research, vol. 19, no. 3, pp. 443-448, 1991.			
	Huffman Kenneth E. et al., « DNA-Sequence Asymmetry Directs the Alignment of Recombination Sites in the FLP Synaptic Complex, » J. Mol. Biol., vol. 286, pp. 1-13, 1999.			
	*Innis et al., PCT Protocols: A Guide to Methods and Applications, Academic Press, San Diego, CA, 1990.			
	Jensen, Peter R. et al., « The Sequence of Spacers Prokaryotic Promoters, » Applied and Environment	s betwen the Consensus Sequences Modulates the Strength of al Microbiology, vol. 64, no. 1, pp. 82-87, January, 1998.		
	Jensen, Peter R. et al., « Artificial Promoters for Menos. 2 & 3, pp. 191-195, April 20/May 5, 1998.	etabolic Optimization, » Biotechnology and Bioengineering, vol. 58,		
	Khlebnikov, Artem et al., « Homogeneous expressi of the low-affinity high-capacity AraE transporter, M	on of the P _{BAD} promoter in <i>Escherichia coli</i> by constitutive expression of the P _{BAD} promoter in <i>Escherichia coli</i> by constitutive expression of the P _{BAD} promoter in <i>Escherichia coli</i> by constitutive expression of the P _{BAD} promoter in <i>Escherichia coli</i> by constitutive expression of the P _{BAD} promoter in <i>Escherichia coli</i> by constitutive expression of the P _{BAD} promoter in <i>Escherichia coli</i> by constitutive expression of the P _{BAD} promoter in <i>Escherichia coli</i> by constitutive expression of the P _{BAD} promoter in <i>Escherichia coli</i> by constitutive expression of the P _{BAD} promoter in <i>Escherichia coli</i> by constitutive expression of the P _{BAD} promoter in <i>Escherichia coli</i> by constitutive expression of the promoter in <i>Escherichia coli</i> by constitutive expression of the promoter in the pro		
	McCracken, Andrea et al., « Efficiency of Transcrip and Context Dependent, » Journal of Bacteriology,	tion from Promoter Sequence Variants in Lactobacillus Is Both Stravol. 181, no. 20, pp. 6569-6572, October, 1999.		
V	*Miller, J. H. A Short Course in Bacterial Genetics, Cold Spring Harbor Laboratory Press, 1992.			
/JF/	Needleman, Saul B. et al., « A General Method Ap Two Proteins, » J. Mol. Biol., vol. 48, pp. 443–453,	plicable to the Search for Similarities in the Amino Acid Sequence of 1970.		
Examiner	/Jeffrey Fredman/	Date Considered 06/05/2007		

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Attorney Docket No.: GC743-2	S-US OIPE	Serial No.: 10/511,043	
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Filing Date: April 18, 2003	SEP 0 1 2005	Group: Unassigned	
Page 3 of 3	The state of the s	Date of this Submission: August 30, 2005	
	On partie A		

/JF/	Author, Title, Date, Pertinent Pages, etc Nunes-Duby, Simone E. et al., « Similaritie recombinases, » Nucleic Acids Research			
/JF/	Nunes-Duby, Simone E. et al., « Similaritic recombinases, » Nucleic Acids Research	es and differences among 105 members of the Int family of site-specific		
		Nunes-Duby, Simone E. et al., « Similarities and differences among 105 members of the Int family of site-specific recombinases, » Nucleic Acids Research, vol. 26, no. 2, pp. 391-406, 1998.		
	Pearson, William R. et al., « Improved too pp. 2444-2448, April, 1988.	ls for biological sequence comparison, » Proc. Natl. Acad. Sci. USA, vol. 85,		
	Potter, Huntington, « Electroporation in Bi Biochemistry, vol. 174, pp. 361-373, 1988	ology: Methods, Applications, and Instrumentation, » Analytical		
	Repoila, F. et al., « Signal Transduction Cascade for Regulation of RpoS: Temperature Regulation of DsrA, Journal of Bacteriology, vol. 183, no. 13, pp. 4012-4023, July, 2001.» Russell, David R. et al., « Construction and analysis of in vivo activity of <i>E. coli</i> promoter hybrids and promoter mutants that alter the –35 to –10 spacing, Gene, vol. 20, pp. 231-243, 1982.»			
	*Sambrook, J. et al., Molecular Cloning:	A Laboratory Manual, Cold Spring Harbor Laboratory Press, 1989.		
	*Singleton et al., <u>Dictionary of Microbiolog</u>	y and Molecular Biology, ed. Ed., John Wiley and Sons, New York, NY, 1994		
	Smith, Temple F., « Comparison of Biose	quences, » Advances in Applied Mathematics, vol. 2, pp. 482-489, 1981.		
	Smith, Michael d. et al., « Protoplast Tranfrom Bacillus amyloliquefaciens Into Brevi 51, no. 3, pp. 634-639, March, 1986.	sformation in Coryneform Bacteria and Introduction of an <i>a</i> -Amylase Gene bacterium lactofermentum, » Applied and Environmental Microbiology, vol.		
	Sommer, Nicole et al., « T4 early promote coli RNA polymerase: a mutation analysis	er strength probed <i>in vivo</i> with unribosylated and ADP-ribosylated <i>Escherichia</i> s, Microbiology, vol. 146, pp. 2643-2653, 2000. »		
	Zhu, Xu-Dong et al., « Homology Require 270, no. 19, pp. 11646-11653, 1995.	ments for Ligation and Strand Exchange by the FLP Recombinase, » vol.		
/JF/	Copy of PCT International Search Report	for PCT/US03/12045, filed April 18, 2003.		
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Examiner	/Jeffrey Fredman/	Date Considered 06/05/2007		

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SUPPLEMENTAL INFORMATION DISCLOSURE CITATION Attorney Docket No.: GC743-2-US Serial No.: 10/511,043 Applicant: Soucaille et al. OCT 1 0 2006 Filing Date: April 18, 2003 **Group: 1652** of Date of this Submission: October 5, 2006 Page PADEN **US PATENT DOCUMENTS** Filing Sub-Examiner's **Document** Class Class Date Date Initial Number Name FOREIGN PATENT DOCUMENTS Sub-Translation Examiner's **Document** Yes/No Class Class Date Initials Number Country **OTHER DOCUMENTS** Examiner's Initials Author, Title, Date, Pertinent Pages, etc. *Datsenko Kirill et al., "New tool for metabolic pathway engineering in Escherichia coli: One-step method to modulate expression of chromosomal genes," Proceedings of the National Academy of Sciences of USA, V.97:12, June 6, 2000, pp. 6640-6645 (previously filed) /JF/ Ellermeir et al., "Construction of targeted single copy lac fusions using lambda Red and FLP-mediated site-specific recmbination in bacteria," GENE, V.290 :1-2, April 1, 2002, pp 153-161 Martinez-Morales et al., "Chromosomal integration of heterologous DNA in Scherichia coli with precise removal of markers and replicons used during construction," J. of Bacterriology, V. 181:22, November 1999, pp 7143-7148 Meynial-Salles et al., "New tool for metabolic pathyway engineering in Escherichia coli: One-step method to modulate excpression of chromosomal genes," Applied and Environmental Microbiology, V.71:4, April 2005, pp. 2140-2144 Yu, et al., "An efficient recombination system for chromosome engineering in Escherichia Coli," Proceedings of the National Academy of Sciences of /JF/ USA, V.97:11, May 23, 2000, pp. 5978-5983

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